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# Synthesis of 1,8-Diazadibenzo[b,h]fluoren-9-one for Use as a Fingerprinting Agent

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# SYNTHESIS OF 1,8-DIAZADIBENZO[b,h]FLUOREN-9-ONE FOR USE AS A FINGERPRINTING AGENT

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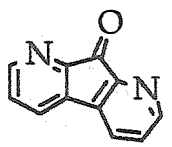
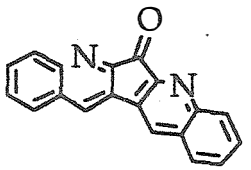
In the detection of latent fingerprints, 1,8-diazafluoren-9-one (1) is used. It reacts with amino acids to give a fluorescing product. The objective of this research is to prepare an analog, 1,8-diazadibenzo[b,h]fluoren-9-one (2), which reacts similarly with the amino acids. However, the increased conjugation in (2) should improve the flourescence of the product away from background flourescence which is a problem with 1,8-diazafluoren-9-one.




(1)




(2)